LEVEL 1 - 1 OF 9 STORIES

M2 PRESSWIRE

April 4, 2003

LENGTH: 940 words

HEADLINE: US NSF
Visitors to experience "virtual monticello" at New Orleans Museum of Art exhibition; Computer graphics researchers to provide "virtual realitywindows" into the past

DATELINE: ARLINGTON, VA.

BODY:

Visitors to the New Orleans Museum of Art (NOMA) this spring and summer will have a chance to peek in the windows of Monticello, Thomas Jefferson's home a thousand miles away in Virginia, thanks to University of North Carolina and University of Virginia computer graphics researchers who have devised a way to capture and display three-dimensional scans of Monticello's rooms.

As part of the exhibition "Jefferson's America & Napoleon's France," which runs April 12 through August 31 to celebrate the 200th anniversary of the Louisiana Purchase, NOMA has constructed a facade of Monticello at nine-tenths scale for which the researchers, led by Anselmo Lastra and Lars Nyland at North Carolina and David Luebke at Virginia, have provided "virtual reality windows." Their work is supported by the National Science Foundation (NSF), the independent government agency that supports basic research in all fields of science and engineering.

"After Jefferson finished his terms as president in 1809 and retired to Monticello, tourists of the day would make the journey to Monticello and gawk in the windows to get a look at Jefferson," Lastra said. NOMA visitors will therefore experience Monticello in much the same way as those long-ago tourists.

The team used a laser-scanner with a video camera and rangefinder to scan several of Monticello's rooms. Capturing the full 3-D experience requires dozens of room scans from different angles.

All of the scans-at 100 megabytes of data per scan-are aligned with one another to form a single, 3-D model of the room.

Finally, the display system renders views of the 3-D scene in real time. The researchers' eventual goal for their technology is to make the model acquisition process fast, inexpensive and automatic.

NOMA is creating a 55-foot-wide red brick facade of Monticello's west portico for the "virtual window" display. Two windows, each roughly four feet wide by five feet high, in the facade will offer the view into Jefferson's library. The facade's west portico door will also be used as an entry to the

Jefferson section of the exhibition.

At NOMA, visitors will be ushered past windows of Monticello's library and given polarized glasses for viewing the stereoscopic display. In each group, one visitor will wear glasses that include a head-tracking device, and the virtual windows will show that visitor's view into the room. Leaning in and looking left will show more of the library's left side, for example. In the virtual library, visitors will see an easy chair that, according to tradition, Jefferson used as vice president; later in the exhibition, visitors can see the actual chair on display.

The connection between art and science was made when NOMA curators contacted Monticello for artifacts to include in the exhibition. The conversation turned to Lastra's and Luebke's team, which had just visited Monticello to scan some rooms. The scientists are working to develop methods of modeling real-world 3-D environments for applications ranging from historical preservation to forensic science.

In forensic science today, for example, investigators build crime scene models by hand, taking individual measurements with **tape measures** or handheld laser **rangefinders** and entering the results into a computer manually. Models are constructed using 3-D modeling software, and effectively visualizing the models remains difficult.

In addition to automating a laborious process, "this technology has several advantages for crime-scene investigation," Lastra said. "This would give investigators, first, more realism and, second, more veracity, since a human is not making the measurements." The research project includes law enforcement community representatives from the Federal Bureau of Investigation and the Armed Forces Institute of Pathology, in addition to the collaboration with NOMA.

"The virtual windows into Monticello will provide our visitors something they couldn't experience in New Orleans any other way," said E. John Bullard, the Montine McDaniel Freeman director of NOMA.

"We brought furniture and antiques from Monticello, but this new technology has given us a way to display a portion of Jefferson's home, his 'essay in architecture.' This demonstrates how laser scanning can add a new dimension to art museums' exhibitions of architecture and historical environments."

UNC Image-Based Rendering: http://www.cs.unc.edu/ibr/

Scanning Monticello: http://www.cs.virginia.edu/Monticello/

Jefferson's America, Napoleon's France: http://www.jeffersonnapoleon.com/

NSF is an independent federal agency that supports fundamental research and education across all fields of science and engineering, with an annual budget of nearly $5 billion. NSF funds reach all 50 states through grants to nearly 2,000 universities and institutions. Each year, NSF receives about 30,000 competitive requests for funding, and makes about 10,000 new funding awards. NSF also awards over $200 million in professional and service contracts yearly.

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LOAD-DATE: April 4, 2003

manage to get into the swamp, a challenge that's part of the lure. Just don't attempt Bradwell Bay after a big storm. AF

Doug Alderson is a freelance writer and photographer near Tallahassee, Florida.

TAKING THE MEASURE OF YOUR BIG TREES

In the old days, a tree's height was determined by a sophisticated process of squinting, guessing, and exaggerating. Today, in the 61st year of the National Register of Big Trees, we no longer accept stories of 600-foot-tall trees, even if they are called giant sequoias. But it's still a challenge to accurately measure trees that are much bigger than we are, that come in a multitude of shapes, and that are found in a wide variety of environments.

In AMERICAN FORESTS' Big Tree formula (circumference in inches + height in feet + 1/4 of average crown spread in feet = total points) the difference between a contender and a co-champion is just 1 inch in circumference, 1 foot in height, or 4 feet in average crown spread. So in the interest of recognizing the true champions, here are some tips to improve your accuracy the next time you want to size up a big one.

When measuring girth, at 4 1/2 feet above the ground, make sure your tape is perpendicular to the axis of the trunk. If the trunk leans, a perfectly horizontal measurement would inflate the tree's girth. If the trunk leans very fast, get out of the way. Make two measurements, starting from opposite sides, and take the average. On a slope, measure 4 1/2 feet above the ground at the slope's midpoint along the base of the tree. If your tree forks below the 4 1/2-foot level, measure the largest single stem at 4 1/2 feet. If your tree forks at the 4 1/2-foot level, the currently acceptable practice is to measure the smallest girth below the fork. In either case, however, AMERICAN FORESTS discourages the nomination of trees that obviously originated as more than one stein.

For crown spread you can measure just two crown diameters (widest and narrowest) for your average, but more is better. A clinometer will ensure that you are directly below the edge of the crown. But in a pinch, pull out your shoelace, weight it with anything heavy (except your clinometer!) and sight along the string.

You'll have to use an indirect method to measure height unless your tree is very small, you are a skilled technical climber, or you have a highly trained squirrel. Foresters, arborists, and serious Big Tree hunters dedicated to accurate heights use clinometers or transits to measure angles; a **tape measure** or infrared laser **rangefinder** to measure distances; and scientific calculators and simple trigonometric formulas to crunch the numbers.

If this sounds too expensive and intimidating, try the "stick" method. Take a straight stick and hold it vertically so that it forms a right triangle (top of stick/hand/eye) with the vertical (hand to top of stick) and horizontal (hand to eye) sides equal. Now move to a point level with the base of the tree where, moving nothing hut your eye, you can sight the base of the tree through your hand, and the top of the tree through the top of the stick. At this point the distance from your feet to the base of the tree should approximate the tree's

height.

AMERICAN FORESTS accepts measurements by the "stick" method, but if you'd like to try the "expert" method (simple, accurate, and trigonometry-free!), use your phone or computer and contact AMERICAN FORESTS to get the name of your state Big Tree Coordinator. The Eastern Native Tree Society (www.uark.edu/misc/ents) may also be able to help. Many ENTS members are Big Tree hunters dedicated to extremely accurate measurements. They have corrected a number of height measurement errors in the National Register of Big Trees including pignut hickory champ whose height was overestimated by 67 feet!

Whether your equipment is low tech or high tech, here are same tips to avoid the pitfalls of height measurement. If your tree leans, or the crown structure is such that the highest twig is not over the base, locate the point on the ground directly beneath the high point. It's easier with a partner, but you can triangulate this point alone by sighting the crown's apex with a compass and marking a line with your tape measure under the tree along the bearing. Repeat this at an angle at least 30 degrees off your first line; the crown high point should be directly above where the two lines intersect. To measure on unlevel ground that slopes more than 10 degrees you'll need to brush up on your trig or resort to the "expert" method. In any case, it's better to take a number of height measurements, throw out the outlying numbers, and average the rest.

Ideally we would compare all trees by volume, but you can imagine the logistical and mathematical difficulties involved, especially for hardwoods. But if the volume can he measured for both contenders, as happened in the case of the General Sherman and General Grant giant sequoias, AMERICAN FORESTS will recognize the volume winner as the champion regardless of its point total.

Perhaps someday we'll have cheap scanners that will give all of a tree's dimensions to 10 decimal places, compare them to an internal database, and show us where it ranks on a graph with other contenders. But I hope not, Measuring trees is an interactive and fun activity full of anticipation and the feeling of discovery. Sure, it's not a perfect process, but I like having a little margin of error. Because I once saw a tree that, I swear, was over 600 feet tall if it was a foot.

Whit Bronaugh

IAC-CREATE-DATE: October 4, 2001

LOAD-DATE: October 05, 2001

LEVEL 1 - 3 OF 9 STORIES

Scripps Howard News Service

March 25, 2001, Sunday

ADVANCED-DATE: March 23, 2001

SECTION: SPORTS

LENGTH: 644 words

HEADLINE: Hone your skills for effective turkey hunting

SOURCE: Scripps Howard News Service

BYLINE: JOHN PHILLIPS

BODY:

Most people who want to learn how to hunt turkeys go about the sport all wrong by trying any new method they hear about from anybody who's ever hunted turkeys - and they rely heavily on luck.

To become a turkey hunter, you must have confidence in your own skills, and there are many ways of developing them:

Know turkeys: Read books and magazines on turkey hunting, listen to lectures, and go to turkey-hunting seminars and calling contests. Pinpoint the places where turkeys like to roost, the movement patterns they most often follow, the times of day when they engage in various activities and the sounds they make besides learning what the different sounds mean.

Find a mentor: A successful, experienced turkey hunter can increase your knowledge and awareness of turkeys. Also, spend time in the woods listening to turkeys and looking at them, before, during and after turkey season. Correlate what you've read and what you've heard from other hunters with what you see in the woods.

Learn to read sign: Next, you need to learn to read and interpret the sign a tom leaves in the woods. Find turkey sign to choose a place to hunt. Most tracks and droppings will last until the next rain, and feathers will generally last until the next year. The woods contain a record of what the turkeys like to do, once you learn to see and identify that sign.

Go into the woods with an experienced turkey hunter. Let him show you the difference between turkey scratchings and places where squirrels have dug in the leaves for nuts. He can point out turkey tracks and probably give you reasons why a turkey has walked that particular area. He can spot turkey droppings and teach you the difference between hen and gobbler droppings. He can show you how to tell an old scratching from a new one.

If you find a fresh track, you know you'll probably locate the turkey within

a mile. If the area where you hunt has had dry weather for several days and you discover a soft dropping, you know you'll find a turkey very close to you.

Learn to call: Good turkey callers have an ear for music and a knack for playing an instrument, particularly a diaphragm caller, a cedar box or a slate and peg.

To become an effective caller, listen to cassette tapes of actual turkey calls or of expert callers. Next, visit with some experts, and let them show you the finer points of calling. Go to turkey-calling contests, and listen to the calls the contestants make.

Once you've learned to make the basic calls, develop confidence in your calling. To do that, you have to go out into the woods and begin to call.

Remember, a turkey doesn't walk around thinking, "Is that a man or a turkey making that call?" If he hears a noise that sounds like another turkey, he may go to it.

Learn to shoot: Learning how and when to shoot is the last skill that a turkey hunter needs to develop. You need a quality gun - one in which you have confidence. Don't use a gun that throws a 65 percent pattern at 40 yards when you can buy one that throws an 85 percent pattern.

Know the capabilities of your gun at various ranges to keep from shooting farther than it can carry a tight pattern.

Before you squeeze the trigger, you've got to know if you're close enough to the turkey to make a kill. I recommend getting a turkey silhouette or decoy, placing it in the woods, walking away from it and trying to judge the distance. Check your accuracy with either a **range- finder** or a **tape measure.**

Finally, practice shooting from awkward positions on the ground. A turkey often will walk up and force you to shoot from a strange position, off-balance or screwed-around.

To best learn how to hunt turkeys, start hunting. Sure, you'll make some mistakes, but you'll also learn from them.

(Contact John Phillips of the Birmingham Post-Herald in Alabama at http://www.postherald.com.)

LOAD-DATE: March 23, 2001

LEVEL 1 - 4 OF 9 STORIES

Spokesman Review (Spokane, WA)

December 8, 2000, Friday, SPOKANE EDITION

SECTION: IN LIFE, Pg. D3

LENGTH: 891 words

HEADLINE: Handy holidays;
Traditional tools with a twist should be Christmas favorites this year

BYLINE: Chris Wille Staff writer

BODY:

Looking for something more than a classic hammer, wrench or screwdriver to put under the Christmas tree? Hand tools can be a tough gift purchase without knowing exactly what the recipient wants.

Some sneaky people have figured a way around the tell-me-what-you-want-dear approach. In past years, a few women have asked Mike Love, a tool expert at Lowe's in the Spokane Valley, to join in a conspiracy. They would describe the target men, down to what they were wearing that day, and ask Love to jot down what those guys drooled over while wandering the tool aisles.

If you're looking for a simpler way to get a worthy present, here are some gift ideas from Love and Leigh Davies at the Valley Mall Sears. (Craftsman tools are available at Sears, others at Lowe's, though some models can be found in many stores).

* Staple/nail guns: The electric Stanley Sharpshooter ($ 20) works great for arts and crafts as well as shop projects. It shoots out staples ranging in size from one-quarter inch up to nine-sixteenths, and brads either a half- inch or five-eighths. Unlike the old manual staplers, you won't need the hand strength of a Schwarzenegger to operate this one.

Craftsman has an easy-grip manual stapler and nailer called a Forward Drive Staple Gun which comes in large and small models ($ 20 and $ 10). It requires minimum hand strength.

* High-tech measuring device: The Laser Targeting **Range Finder** by Sonin beats the old-fashioned **tape measure** for the big jobs, especially if you don't enjoy stumbling and fumbling with those 50-foot tapes. ''All you do is point and shoot,'' Love says, and the exact distance shows up on the unit ($ 39).

* Electronic stud finders: The Zircon Studsensor (sounds like something out of a bad sci-fi flick, doesn't it?) will eliminate those extra holes in walls from missing the stud. ''I've never missed,'' says Love. Prices range from $ 15 up to $ 40. High-end models also detect wiring.

Multipurpose tools: Tool 3 offers a version for the electrician. With 16

LEVEL 1 - 7 OF 9 STORIES

Los Angeles Times

June 8, 1998, Monday, Home Edition

SECTION: Business; Part D; Page 6; Financial Desk

LENGTH: 952 words

HEADLINE: SCIENCE WATCH;
LAW ENFORCEMENT ENTERS THE SPACE AGE

BYLINE: LEE DYE

BODY:

Beleaguered cops who are asked these days to solve crimes ranging from terrorist bombings to computer hacking are getting a little more help from some friends: Scientists and engineers across the country are increasingly turning their talents to crime-busting.

The National Aeronautics and Space Administration and several national laboratories are using cutting-edge technology to develop tools to help the cop in the field.

The Energy Department's Pacific Northwest Laboratory in Richland, Wash., for example, is building a sophisticated vest to be worn by an investigating officer at a crime scene. The vest, called Team Leader, will include all sorts of gadgets that will transmit such things as videos and still pictures and precise measurements of the location of evidence back to headquarters for viewing by other experts.

The Los Angeles County Sheriff's Department is one of three agencies that will begin testing the vest in about two months.

"It looks intriguing," said Barry Fisher, director of the department's crime lab. "It's an interesting technology."

As is the case with many of the technologies being developed for law enforcement agencies, the vest is based on previous efforts to deal with a very different set of problems--treaty inspections and other arms-control verification activities.

"The Team Leader system will be kind of an electronic field notebook," said Dan Irwin, a research analyst and project manager at the Pacific Northwest Laboratory.

Although still under development, it will feature a video camera on a helmet,

a computer strapped to a belt and a vest loaded with gizmos ranging from a global-positioning-system receiver to an instrument that will put a bar code on a piece of evidence. The bar code will allow tracking of the evidence, showing who has seen it and who still needs to see it.

The vest will also include a laser **range finder** that will make measurements to an accuracy of about a quarter of an inch. That will replace the **tape measure** and provide a more exact record of the location of evidence, a factor that could be crucial in a criminal trial.

The lab is teaming up with Mnemonic Systems Inc. of Washington to develop the vest. By using off-the-shelf equipment and standard software to hold down the cost, the lab hopes to keep the price tag at about $ 10,000.

To succeed, Irwin said, the system must be easy to use, easy to put on and not restrain the officer.

"If we've got a system that's awkward, nobody's going to use it," he said.

He admits it has been a learning process. Originally, the lab had designed a system that included a keyboard on the officer's wrist.

"When you're sitting here in the laboratory, that looks really cool," he said. "But the user community came back and said, 'We don't really know how to type all that well, and the keys are too small, and we may have a glove on, and there could be blood on the glove. . . .' "

The result: a larger, more usable keyboard.

The lab is compromising slightly on the vest's communications range. The energy needed to transmit the images and data to an office several miles away would require the use of heavy batteries. So the vest will transmit the information to a nearby van, which will relay it back to headquarters.

"Nobody is going to want a vest that weighs an extra 8 pounds because of the battery needed to transmit back to headquarters," Irwin said.

In another potential bonanza for law enforcement, NASA recently entered into an agreement with the National Institute of Justice, the research and development branch of the Justice Department, to see if gadgets that have been used to explore other planets might also be used to find crooks.

Jeff Schweitzer, a nuclear astrophysicist at NASA's Goddard Space Flight Center, helped set up the joint program. The aim is to develop tools that can be used at the scene of a crime for subsequent analysis back in the lab.

"These would be small and compact and totally self-powered," he said. One example: a heat-protected robot similar to the Mars Sojourner that could carry instruments into an arson scene before it has cooled and much of the evidence--such as chemicals used to start the fire--has vanished.

X-ray machines such as those used aboard several space probes could instantly identify chemicals present at a crime scene, Schweitzer said. They could also find tiny metal fragments from a weapon that had been fired, thus providing a

LEVEL 1 - 9 OF 9 STORIES

July 15, 1993

SECTION: No. 1, Vol. 88; Pg. 127; ISSN: 0192-3978

IAC-ACC-NO: 15133536

LENGTH: 274 words

HEADLINE: Easier distance measuring; Laser Atlanta's ProSurvey 1000 Laser Rangefinder; Light Equipment Report

BYLINE: Lanberg, Lynn

BODY:

Small targets such as poles, rocks and trees can be acquired at typical ranges of 3,000 feet

Instead of using a measuring wheel or a **tape to measure** distances, now you can use the ProSurvey 1000 Laser **Rangefinder.** Developed by Laser Atlanta, the device is a low-cost, safe distance-measuring laser that requires no special target and offers an innovative Heads-Up Display for easy, accurate targeting.

Since the ProSurvey 1000 does not require reflective surfaces or special targets, it is well-suited for survey applications where other measuring devices would be inconvenient or impossible to utilize. The ProSurvey measures distances to 2,500 feet quickly and accurately. Applications include mapping, profiling and distance measurement.

The device operates by measuring pulse time of flight rather than the phase measurement commonly utilized in conventional EDM devices. The time of flight technique emits an ultra short pulse of laser light with high peak power. The increase in peak power provides improvements in range performance using uncooperative targets over conventional EDMs, says the company, while the average power is kept at a level lower than a TV remote-control device.

Because the laser has a very narrow beam spread, small targets such as poles, rocks and trees can be acquired at ranges of 3,000 feet. Distances to 25,000 feet can be determined for objects with highly reflective surfaces. Range information is displayed in the Heads-Up Display, so the user never needs to look away from the target. The invisible laser is aligned with the display sighting so that visible laser alignment is unnecessary.

GRAPHIC: Illustration; Photograph

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(c) 2004 The Gale Group
File 642:The Charlotte Observer 1988-2004/Mar 26
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(c) 2004 Consumer Union
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S2	90	RD (unique items)
S3	1	S2/2004
S4	89	S2 NOT S3

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4/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

7607659 INSPEC Abstract Number: B2003-06-8520-025
Title: Making a point of safety [railway points safety]
Author(s): McMath, I.
Journal: Engineering Technology vol.5, no.10 p.27
Publisher: IIE,
Publication Date: Dec. 2002-Jan. 2003 Country of Publication: UK
CODEN: ETECF6 ISSN: 1462-2165
SICI: 1462-2165(200212/200301)5:10L.27:MPSR;1-L
Material Identity Number: H100-2002-012
Language: English
Subfile: B

...Abstract: International, the device offers a continuous, nonmanual method of measuring rail movement at points. Both *ultrasonic* (as used in electronic *tape* *measures*) and electromechanical models were developed and tested. The electromechanical design worked more reliably than its...

4/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

7509224 INSPEC Abstract Number: C2003-02-3390C-162
Title: Calibrating a 4-wheel mobile robot
Author(s): McKerrow, P.J.; Ratner, D.
Author Affiliation: Wollongong Univ., NSW, Australia
Conference Title: Proceedings IEEE/RSJ International Conference on Intelligent Robots and Systems (Cat. No.02CH37332C) Part vol.1 p. 859-64 vol.1
Publisher: IEEE, Piscataway, NJ, USA
Publication Date: 2002 Country of Publication: USA 3 vol.lv+3072 pp.
ISBN: 0 7803 7398 7 Material Identity Number: XX-2002-02299
U.S. Copyright Clearance Center Code: 0-7803-7398-7/02/$17.00
Conference Title: IROS 2002: IEEE/RSJ International Conference on Intelligent Robots and Systems
Conference Sponsor: IEEE Robotics & Autom. Soc.; IEEE Ind. Electron. Soc. ; Robotics Soc. Japan; Soc. Instrum. & Control Eng.; INRIA Rhone-Alpes Grenoble; EPFL Lausanne
Conference Date: 30 Sept.-5 Oct. 2002 Conference Location: Lausanne, Switzerland
Language: English
Subfile: C

...Abstract: of steering angle as well as translation and rotation. Some measurements are made with a *tape* *measure* and some with *ultrasonic* sensors. The measurements are used to determine the parameters of the odometry calibration matrix and...

4/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

5513013 INSPEC Abstract Number: A9707-2880-006, B9704-7420-204, C9704-7410H-010
Title: Increasing the computer's role in radiation surveys

Author(s): Harder, G.; Bolch, W.E.; Handy, R.
Author Affiliation: Florida Univ., Gainesville, FL, USA
Conference Title: Proceedings of the Topical Meeting on Computer-Based Human Support Systems: Technology, Methods, and Future p.509-15
Publisher: ANS, La Grange, IL, USA
Publication Date: 1995 Country of Publication: USA viii+529 pp.
ISBN: 0 89448 197 5 Material Identity Number: XX95-01025
Conference Title: Proceedings of Computer-Based Human Support Systems: Technology, Methods and Future
Conference Sponsor: ANS
Conference Date: 25-29 June 1995 Conference Location: Philadelphia, PA, USA
Language: English
Subfile: A B C

...Abstract: Now the computer can control the survey measurements. For indoor positioning, there are few alternatives. *Sonic* rangefinders are limited, GPS is unavailable and *tape* *measurements* are tedious. Another alternative is currently being developed at the University of Florida as part...

4/3,K/4 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03301896 E.I. Monthly No: EIM9109-043178
Title: Tools and devices for accident investigation and reconstruction.
Author: Wallingford, Jerry G.; Stallman, Ken G.
Corporate Source: Verifact Corp
Conference Title: Accident Reconstruction: Human, Vehicle and Environmental Factors - Papers presented at the 1990 SAE International Congress and Exposition
Conference Location: Detroit, MI, USA Conference Date: 19900226
E.I. Conference No.: 13331
Source: SAE Special Publications n 814. Publ by SAE, Warrendale, PA, USA. 14p 900372
Publication Year: 1990
CODEN: SAESA2 ISSN: 0099-5908
Language: English

Identifiers: ACCIDENT INVESTIGATION; POCKET LEVELING ROD; ACCIDENT RECONSTRUCTION; LINEAR MEASURING TOOLS; *ULTRASONIC* *TAPE* *MEASURE*; RIEKER INCLINOMETER

4/3,K/5 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

02028421 E.I. Monthly No: EI8610101267 E.I. Yearly No: EI86096590
Title: QUARRY FACE SURVEYING - VERTICAL PROFILES.
Author: Huddleston, R. J.; Burns, C. P.
Corporate Source: Tilcon Ltd
Source: Quarry Management v 13 n 6 Jun 1986 p 41-42
Publication Year: 1986
CODEN: QUMAE8
Language: ENGLISH

...Abstract: how the end results are achieved. The surveying methods

reviewed are visual assessment, fishing rod/*tape* *measure*, optical measurement, *sonic* measurement, and laser measurement.

4/3,K/6 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00794187 94-43579
A smarter way to park
Anonymous
Machine Design v65n23 PP: 39-41 Nov 26, 1993
ISSN: 0024-9114 JRNL CODE: MDS
WORD COUNT: 308

...TEXT: Solarwide is no stranger to putting ultrasonics in consumer products. Besides its own line of *ultrasonic* *tape* *measures*, Solarwide private labels a variety of devices for Cooper Tools, Seiko Instruments,. and Bosch, making...

4/3,K/7 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03306032 Supplier Number: 44566125 (USE FORMAT 7 FOR FULLTEXT)
SENSOR MARKETS AND TECHNOLOGIES UPDATE: POLAROID EXPANDS ULTRASONIC TRANSDUCER LINE
Sensor Business Digest, v3, n>7, pN/A
April, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 615

... ultrasonic transducers, in addition to those identified for the K and 9000 series, include electronic *tape* *measures* and door openers.
Polaroid also sells an *ultrasonic* ranging system developer's kit that features a 16-bit microprocessor-based control board, LCD...

4/3,K/8 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

14281745 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Schoolboy scientist measures up
SECTION TITLE: NEWS
EVENING POST , 3 ed, p29
December 14, 2000
JOURNAL CODE: WTEP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 335

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... He said there had been no commercial interest in it yet. While builders already had *ultrasonic* *tape* *measures*, his device would have much wider uses.
The idea came to him while he was...

4/3,K/9 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

08114673 (USE FORMAT 7 OR 9 FOR FULLTEXT)
St. Louis Post-Dispatch At-Work Column
Repps Hudson
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (ST. LOUIS POST-DISPATCH - MISSOURI)
November 07, 1999
JOURNAL CODE: KSLP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 770

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Sunday when necessary.
EQUIPMENT: Poletti's basic gear includes a cell phone, a 100-foot *tape* *measure*, a measuring wheel, a *sonic* measuring device (for inside buildings), a Sunntonometer (for measuring heights), a Zeos PC with Lotus ...

4/3,K/10 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01523763 ORDER NO: AAD97-01108
A COMPARISON OF MEASUREMENT RELIABILITY BETWEEN A *SONIC* DIGITIZER AND A *TAPE* *MEASURE* ON A COMPLEX THREE-DIMENSIONAL OBJECT
Author: SCHOU, DIANE DARLENE (WHEELER)
Degree: D.I.T.
Year: 1996
Corporate Source/Institution: UNIVERSITY OF NORTHERN IOWA (0743)
Source: VOLUME 57/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 5252. 92 PAGES

A COMPARISON OF MEASUREMENT RELIABILITY BETWEEN A *SONIC* DIGITIZER AND A *TAPE* *MEASURE* ON A COMPLEX THREE-DIMENSIONAL OBJECT

...measuring devices. The objective of this study was to compare the measurement reliability of a *sonic* digitizer to a traditional measuring tool, the *tape* *measure*, for measuring a complex, three-dimensional object. It was hypothesized that: (H$\sb1$). Data from...

4/3,K/11 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

05975558 SUPPLIER NUMBER: 68617347 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Dimensionator Tapeless Tape Measurer. (Zircon Dimensionator) (Brief Article)
Seitz, Stephen
Whole Earth, 48
Winter, 2000
DOCUMENT TYPE: Brief Article ISSN: 1097-5268 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 107 LINE COUNT: 00011

TEXT:
A tapeless *tape* *measure*/I really like this Zircon *ultrasonic* measuring tool because as a restoration contractor I can walk into a room that is...

4/3,K/12 **(Item 2 from file: 47)**
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04691638 SUPPLIER NUMBER: 19129194 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The electronic toolbox. (high-tech carpentry)
Backus, Susan; Crosby, Bill
Sunset, v198, n1, p84(1)
Jan, 1997
ISSN: 0039-5404 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 736 LINE COUNT: 00059

...ABSTRACT: complete without electronic gadgets that measure, scan or level. The latest of these include electronic *tape* *measures*, *ultrasonic* measurers, standard electronic levels that use sound and liquid crystal stud sensors.

4/3,K/13 **(Item 3 from file: 47)**
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03160560 SUPPLIER NUMBER: 06828342 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Wizard helps manage time and info. (Hardware Review) (Sharp Electronics' Wizard pocket calculator with added functions) (evaluation)
Mandell, Mel
High Technology Business, v8, n12, p48(1)
Dec, 1988
DOCUMENT TYPE: evaluation ISSN: 0895-8432 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 704 LINE COUNT: 00053

... Swiss bank-account number.
One function the Wizard does not offer is measurement. Last year, *ultrasonic* *tape* *measures* appeared that can measure the distance to nearby points. The latest such gadget--available in...

4/3,K/14 **(Item 1 from file: 95)**
DIALOG(R)File 95:TEME-Technology & Management

01665867 20020801419
A look at liquid level
(Sensoren zur Fuellstandsmessung von Fluessigkeiten)
Cartier, M
+GF+SIGNET, El Monte, USA
Chemical Engineering, New York, v109, n5, pp93-95, 2002
Document type: journal article Language: English
Record type: Abstract
ISSN: 0009-2460

ABSTRACT:
...level sensing is using float-level sensors, tuning-fork sensors, conductivity sensors, pressure sensors, or *ultrasonic* sensors. Continuous level sensing is using *tape*-*measure* sensors, gauge-, absolute- and differential-pressure sensors, sight gauge sensors, ultrasonic sensors, float sensors, displacer...

4/3,K/15 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

04259167 H.W. WILSON RECORD NUMBER: BGSA00009167 (USE FORMAT 7 FOR FULLTEXT)
Baywatch.
AUGMENTED TITLE: Randall Wells' study of bottlenose dolphins
McClintock, Jack
Discover v. 21 no3 (Mar. 2000) p. 76-83
SPECIAL FEATURES: il ISSN: 0274-7529
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 3991

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... his research field coordinator Sue Hofmann.
A veterinary team assists Wells as he uses a *tape* *measure* and an *ultrasonic* device to measure the blubber thickness of a dolphin removed briefly from the water as...

4/3,K/16 (Item 1 from file: 111)
DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)

08188933 Supplier Number: 103094975
An *Acoustic* *Tape* *Measure* for Deep-Sea Archaeologists. (Circuits)
Eisenberg, Anne
New York Times , Thu ed, col 01, G10(L)
June 12, 2003
ISSN: 0362-4331 LANGUAGE: English RECORD TYPE: Citation
COLUMN LENGTH: 22 col in

An *Acoustic* *Tape* *Measure* for Deep-Sea Archaeologists. (Circuits)

4/3,K/17 (Item 2 from file: 111)
DIALOG(R)File 111:TGG Natl.Newspaper Index(SM)

03740083 Supplier Number: 05113071
Taking measure. (*ultrasonic* *tape* *measure*; Measurement Specialties Inc.)
Bishop, Jerry E.
Wall Street Journal , Wed ed, col 3, p19(W) p19(E)
Aug 19, 1987
ISSN: 0193-2241 LANGUAGE: English RECORD TYPE: Citation
COLUMN LENGTH: 4 col in

Taking measure. (*ultrasonic* *tape* *measure*; Measurement Specialties Inc.)

4/3,K/18 (Item 1 from file: 120)
DIALOG(R)File 120:U.S. Copyrights

10127094
A comparison of measurement reliability between a *sonic* digitizer and a *tape* *measure* on a complex three-dimensional object
CLASS: TX (Textual Works)
LC RETRIEVAL CODE: B (Monographic works of a non-dramatic literary nature)
STATUS: Registered
REGISTRATION NUMBER: TX4460549
DATE REGISTERED: May 08, 1997 (19970508)
REGISTRATION DEPOSIT: Microfiche.

A comparison of measurement reliability between a *sonic* digitizer and a *tape* *measure*

4/3,K/19 (Item 1 from file: 141)
DIALOG(R)File 141:Readers Guide

01302465 H.W. WILSON RECORD NUMBER: BRGA88052465
Ready, world? Take measurements with sound.
AUGMENTED TITLE: *sonic* *tape* *measures*
Consumer Reports (Consum Rep) v. 53 (Oct. '88) p. 610

AUGMENTED TITLE: *sonic* *tape* *measures*

...ABSTRACT: the echo takes to bounce back, are no substitute for an ordinary measuring tape. The *sonic* devices are less awkward to use than *tape* *measures*, but at $40 to $250, they are much more expensive. Moreover, they are not accurate...

...Measure Mate ($88), which reads to the nearest inch, was the most accurate of the *sonic* *tape* *measures* tested by Consumers Union. These electronic gadgets will probably be useful only for people who...

4/3,K/20 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

13834318 PASCAL No.: 99-0010232
Method for measuring the absolute magnitude and frequency response of the flux on magnetic tape
MCKNIGHT B trad
Journal: Journal of the Audio Engineering Society, 1998, 46 (10) 865-867
Language: English

English Descriptors: Sound reproduction; Audio *acoustics*; Sound recording ; Magnetic recording; Magnetic *tape*; *Measurement* method; Fluxmeter; Magnetic flux

4/3,K/21 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal

13834086 PASCAL No.: 99-0009994
Tape flux measurement revisited

MCKNIGHT J G J; CORTEZ B E; MCKNIGHT J A
Magnetic Reference Laboratory, Mountain View, CA 94043, United States
Convention of the Audio Engineering Society, 105 (San Francisco, CA USA)
1998-09-26
Journal: Journal of the Audio Engineering Society, 1998, 46 (10) 845-858
Language: English

English Descriptors: Audio *acoustics*; Sound reproduction; Sound recording ; Magnetic recording; Magnetic *tape*; *Measurement* method; Magnetic flux; Fluxmeter; Measurement error; Experimental study

4/3,K/22 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

13396511 SUPPLIER NUMBER: 70203653 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Ultrasonic Inspection of Bridge Hanger Pins. (Nondestructive Evaluation Validation Center (NDEVC))
Graybeal, Benjamin A.; Walther, R. A.; Washer, Glenn A.; Waters, Amy M.
Public Roads, 64, 3, 20
Nov, 2000
ISSN: 0033-3735 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3591 LINE COUNT: 00282

... was initially used to confirm pin geometry Measurements of component length were made using a *tape* *measure* to corroborate the *ultrasonic* findings. The straight-beam scan was also used to identify large cracks or complete failure...

4/3,K/23 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

09919505 SUPPLIER NUMBER: 20028537 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Blue screen meets lock-steady VR tracking for broadcast, military and industrial apps. (image processing applications)
Hamit, Francis
Advanced Imaging, v12, n9, p62(3)
Sep, 1997
ISSN: 1042-0711 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1574 LINE COUNT: 00126

... those distances automatically, with probably better accuracy than some technician on his knees with a *tape* *measure*."
The *ultrasonic* system must be able to see a minimum of three reference points, although in the...

4/3,K/24 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05827405 SUPPLIER NUMBER: 12059414 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Hyping of virtual reality now will only mean disappointment and dwindling funding.
Norris, Sue

Computergram International, n1896, CGI04080008
April 8, 1992
ISSN: 0268-716X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1396 LINE COUNT: 00109

... weeks to design, and involved one of the researchers going round the centre with a *tape* *measure* and *sonic* depth detector. The researchers say they found Dimension's toolkit very easy to use, but...

4/3,K/25 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04606115 SUPPLIER NUMBER: 08525754 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Laser technology enlists in the antidrug campaign. (On the Potomac)
Morrison, David C.
Lasers & Optronics, v9, n5, p31(2)
May, 1990
ISSN: 0892-9947 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1598 LINE COUNT: 00122

... the dimensions."
Customs had tried employing an off-the-shelf architect's sonar rangefinder, a *sonic* *tape* *measure*,' to scope out the dimensions of suspect cargo containers. But those devices emit a very...

4/3,K/26 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04078678 SUPPLIER NUMBER: 07909269 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sensors Expo to feature 'Sensor Technology Showcase.' (includes lists of uses for machine perception technology and topics of conference)
PR Newswire, 0908NY002
Sept 8, 1989
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 576 LINE COUNT: 00053

... mountain range
-- an earthquake sensor used in high-rise buildings and nuclear power plants
-- electronic *tape* *measures*
-- an automatic *ultrasonic* bowling scoring system
-- a fabric scanner used to determine fabric pick density
-- a blood pressure...

4/3,K/27 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

03306922 SUPPLIER NUMBER: 06098542 (USE FORMAT 7 OR 9 FOR FULL TEXT)
International Consumer Brands sales and earnings increase.
PR Newswire, 1124NY57
Nov 24, 1987
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 521 LINE COUNT: 00054

... paying off in the marketplace," continued Hahn. "Since announcing

the development of our Digitape, an *ultrasonic*, digital alternative to the standard *tape* *measure*, we have received enthusiastic acceptance from our major, high-volume accounts. We will be in...

4/3,K/28 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

01899614 SUPPLIER NUMBER: 02841709 (USE FORMAT 7 OR 9 FOR FULL TEXT)
***Sonic* device replaces *tape* *measure*.**
PR Newswire, NYPR34
July 11, 1983
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 290 LINE COUNT: 00024

***Sonic* device replaces *tape* *measure*.**

TEXT:
HILLSIDE, N.J., July 11 /PRNewswire/ -- Cynex Manufacturing Corporation (OTC) will market a new *sonic*-wave device that promises to make *tape* *measures* obsolete for measuring distances and areas.

4/3,K/29 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02277677
ELECTRONIC TAPE MEASURE DEVELOPED BY HONG KONG COMPANY
News Release June 29, 1989 p. 1

An *ultrasonic* *tape* *measure* that incorporates a state-of-the-art calculator is the latest product developed by the...

4/3,K/30 (Item 1 from file: 340)
DIALOG(R)File 340:CLAIMS(R)/US Patent
(c) 2004 IFI/CLAIMS(R). All rts. reserv.

3173593 3984918
M/LASER OPTICAL MEASURING APPARATUS
Inventors: Thomson Christopher S (US)
Assignee: Unassigned Or Assigned To Individual
Assignee Code: 68000

	Publication		Application	
Kind	Number	Date	Number	Date
E	US RE36257	19990727	US 97951825	19971016
Reissue of:	US 5493786	19960227	US 95370519	19950109
Priority Applic:			US 97951825	19971016
			US 95370519	19950109

CERTIFICATE OF CORRECTION: 20000404

Exemplary Claim: D R A W I N G

1. A (real estate electro *tape*) *measuring* apparatus, comprising: a. a (*sonic* tape wherein said sonic tape is a conventional ultrasonic laser ranging device) means for measuring...

4/3,K/31 **(Item 1 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS

01262249
Method of producing a stereoscopic image
Verfahren zur Herstellung eines stereoskopischen Bildes
Methode de generation d'une image stereoscopique
PATENT ASSIGNEE:
SHARP KABUSHIKI KAISHA, (260716), 22-22 Nagaike-cho Abeno-ku, Osaka 545-8522, (JP), (Applicant designated States: all)
INVENTOR:
Jones, Graham, 26 Tuckers Road, Faringdon, Oxfordshire SN7 7YG, (GB)
Holliman, Nicholas Steven, 59a Wood Street, Wallingford, Oxfordshire OX10 0AY, (GB)
Lee, Delman, 100 Church Road, Sandford-on-Thames, Oxford OX4 4YB, (GB)
LEGAL REPRESENTATIVE:
Asquith, Julian Peter (76431), Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford OX4 2RU, (GB)
PATENT (CC, No, Kind, Date): EP 1089573 A2 010404 (Basic)
EP 1089573 A3 030702
APPLICATION (CC, No, Date): EP 2000307993 000914;
PRIORITY (CC, No, Date): GB 9921638 990915
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-013/00; G06T-015/10
ABSTRACT WORD COUNT: 72
NOTE:
Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200114	620
SPEC A	(English)	200114	8188
Total word count - document A			8808
Total word count - document B			0
Total word count - documents A + B			8808

...SPECIFICATION scene, these include:

Range finders of any type, auto focus mechanism on a real camera, *tape* *measure*, disparity estimation from stereoscopic image pairs, laser/ *ultrasonic* rangefinder.
With CG software, the depths could be found by ray-tracing, use of the
...

4/3,K/32 **(Item 2 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS

00556837
TAPE MEASURE.
BANDMASS.
DECAMETRE A RUBAN.
PATENT ASSIGNEE:
SOLAR WIDE INDUSTRIAL LTD., (1241060), Suite 911 Tower 1 Silvercord 30 Canton Road, Tsimshatsui Kowloon, (HK), (applicant designated states:

Total word count - document A 3983
Total word count - document B 0
Total word count - documents A + B 3983

...SPECIFICATION metres for an ultrasonic ranging device, or 1.5 metres to 100 metres for another *ultrasonic* ranging device.
A *tape* *measure* embodying this invention will now be described with reference to the accompanying drawings in which...

4/3,K/34 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00272100
Hand-held measuring device.
Handgehaftenes Messgerat.
Dispositif de mesure porte a la main.
PATENT ASSIGNEE:
WINLAM COMPANY, (915060), 663 - 37th Avenue, San Francisco California 94121, (US), (applicant designated states: AT;BE;DE;ES;FR;GB;GR;IT;NL;SE)
INVENTOR:
Win, Leslie A., 663-37th Avenue, San Francisco California 94121, (US)
Lam, Wai Chi, 23S Victoria Center 15 Watson Road, Causeway Bay, (HK)
LEGAL REPRESENTATIVE:
Williams, Trevor John et al , J.A. KEMP & CO. 14 South Square Gray's Inn, London WC1R 5EU, (GB)
PATENT (CC, No, Kind, Date): EP 269276 A2 880601 (Basic)
EP 269276 A3 900404
APPLICATION (CC, No, Date): EP 87309591 871029;
PRIORITY (CC, No, Date): US 924390 861029
DESIGNATED STATES: AT; BE; DE; ES; FR; GB; GR; IT; NL; SE
INTERNATIONAL PATENT CLASS: G01S-013/08; G01S-013/88; G01S-007/44;
ABSTRACT WORD COUNT: 131

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	229
SPEC A	(English)	EPABF1	3318

Total word count - document A 3547
Total word count - document B 0
Total word count - documents A + B 3547

...SPECIFICATION known rule or tape measure or he can use an electronic apparatus employing electromagnetic or *ultrasonic* waves.
Mechanical means such as rules and *tape* *measures* are portable and simple to use, but suffer severe limitations as to accuracy and range...

4/3,K/35 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00827441 **Image available**
BULK MATERIALS MANAGEMENT APPARATUS AND METHOD
DISPOSITIF DE GESTION DE MATERIAUX EN VRAC
Patent Applicant/Assignee:
BINTECH LLLP, 790 Orchard Drive, Louisville, CO 80027, US, US (Residence) , US (Nationality), (For all designated states except: US)

4/3,K/38 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00439504 **Image available**
PORTABLE SATELLITE PHONE FOR COMMUNICATION WITH DIRECT LINK TO SATELLITE
TELEPHONE PORTATIF PAR SATELLITE DESTINE A DES COMMUNICATIONS A LIAISON DIRECTE AVEC UN SATELLITE
Patent Applicant/Assignee:
AT & T CORP,
Inventor(s):
BRADLEY James F,
COOPER Paul W,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9829968 A2 19980709
Application: WO 97US24170 19971223 (PCT/WO US9724170)
Priority Application: US 96774456 19961230
Designated States: CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 9935

Fulltext Availability:
Detailed Description
Detailed Description
... the antenna beam. The sonar device 914 may operate similarly to medical imaging devices or *sonic* *tape*-*measuring* devices commonly used in the building industry. A sonic pulse is emitted by the sonar...

4/3,K/39 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00439503 **Image available**
COMMUNICATION SYSTEM WITH DIRECT LINK TO SATELLITE
SYSTEME DE TELECOMMUNICATIONS A LIAISON DIRECTE AVEC UN SATELLITE
Patent Applicant/Assignee:
AT & T CORP,
Inventor(s):
BRADLEY James F,
COOPER Paul W,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9829967 A2 19980709
Application: WO 97US24169 19971223 (PCT/WO US9724169)
Priority Application: US 96774457 19961230
Designated States: CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Fulltext Word Count: 9202

Fulltext Availability:
Detailed Description

Detailed Description
... the antenna beam. The sonar device 914 may operate similarly to medical imaging devices or *sonic* *tape*-*measuring* devices commonly used in the building industry. A sonic pulse is emitted by the sonar...

may be provided with an *ultrasonic* transmitter and receiver (not shown) which is normally used to make alternative approximate measurements. These...

4/3,K/42 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00166805
MEASURING DEVICE
APPAREIL DE MESURE
Patent Applicant/Assignee:
ROYAL COLLEGE OF ART,
DE VLAM Ronald,
Inventor(s):
DE VLAM Ronald,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9000245 A1 19900111
Application: WO 89GB716 19890627 (PCT/WO GB8900716)
Priority Application: GB 8815238 19880627
Designated States: GB JP KR US
Publication Language: English
Fulltext Word Count: 4181

Fulltext Availability:
Detailed Description

Detailed Description
... metres for an ultrasonic ranging device, or 1.5 metres to 100 metres for another *ultrasonic* ranging device.

A *tape* *measure* embodying this invention will now be described with reference to the accompanying drawings in which...

4/3,K/43 (Item 1 from file: 351)
DIALOG(R)File 351:Derwent WPI

004780768
WPI Acc No: 1986-284109/198643
XRPX Acc No: N86-212065
Determining co-ordinates of flaw detector - using *ultrasonics* along two *tape* *measures* for continuous electrical recording of triangle sides
Patent Assignee: MATERIALS NON-DESTR (MATE-R)
Inventor: GURVICH A K; MAIZENBER M I; MOSHKOVICH V U
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
SU 1221593	A	19860330	SU 3799956	A	19841010	198643	B

Priority Applications (No Type Date): SU 3799956 A 19841010
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1221593	A		3		

... **using *ultrasonics* along two *tape* *measures* for continuous electrical recording of triangle sides**

4/3,K/44 (Item 1 from file: 475)
DIALOG(R)File 475:Wall Street Journal Abs

05013108
TAKING MEASURE
Wall Street Journal, Col. 3, Pg. 19, Sec. 1
Wednesday August 19 1987

ABSTRACT:
Article on Measurement Specialties Inc's *ultrasonic* '*tape*' *measure* named 'Measurmatic', which measures distances by bouncing pulse of ultrasound off the opposite wall (S)

4/3,K/45 (Item 1 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext

0001542320 B0CC4BDAFKFT
Companies and Markets: Contracts - Sonic Tape
Financial Times, P 29
Thursday, October 28, 1982
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
Word Count: 28

TEXT:
...deal has been finalised by SONIC TAPE with the Belgian company Totem International to distribute *Sonic*'s battery operated electronic *tape* *measures* in Belgium.

4/3,K/46 (Item 1 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily

07296431 SUPPLIER NUMBER: 346142791
An *Acoustic* *Tape* *Measure* for Deep-Sea Archaeologists
Eisenberg, Anne
New York Times, p G.10
Jun 12, 2003
ISSN: 0362-4331 NEWSPAPER CODE: NYT
DOCUMENT TYPE: Feature; Newspaper article
LANGUAGE: English RECORD TYPE: ABSTRACT

An *Acoustic* *Tape* *Measure* for Deep-Sea Archaeologists

...ABSTRACT: This system allows us to make accurate maps anywhere on the seafloor. It's an *acoustic* *tape* *measure*.'' Dr. Mindell will also bring along a subbottom profiler, a sonar-based system he has...

4/3,K/47 (Item 1 from file: 494)
DIALOG(R)File 494:St LouisPost-Dispatch

10305102
REAL ESTATE APPRAISER THRIVES ON THE VARIETY IN HIS JOB
St. Louis Post Dispatch (SL) - Monday, November 1, 1999

4/3,K/61 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

04162185 Supplier Number: 54538832 (USE FORMAT 7 FOR FULLTEXT)
Secrets of Selling; Higher rewards.
Daniels, Drew
Sound & Video Contractor, pNA
Jan, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Newsletter; Trade
Word Count: 3238

... complete the walk-around. Take a flashlight, a quad-ruled pad and colored pens, a *tape* *measure* and an *ultrasonic* measure if you have one. Make thorough sketches of the plans and elevations of the...

4/3,K/62 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01755898 Supplier Number: 42900305 (USE FORMAT 7 FOR FULLTEXT)
HYPING OF VIRTUAL REALITY NOW WILL ONLY MEAN DISAPPOINTMENT AND DWINDLING FUNDING
Computergram International, n1898, pN/A
April 8, 1992
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1313

... weeks to design, and involved one of the researchers going round the centre with a *tape* *measure* and *sonic* depth detector. The researchers say they found Dimension's toolkit very easy to use, but...

4/3,K/63 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01151083 Supplier Number: 40957491 (USE FORMAT 7 FOR FULLTEXT)
FEATURE INTERVIEWS - AN INTERVIEW WITH MR. JACK O'BRIEN, POLAROID'S WORLDWIDE SALES AND MARKETING MANAGER FOR ULTRASONICS ON THE CONSUMER AND INDUSTRIAL MARKETS FOR POLAROID'S ULTRASONIC TRANSDUCERS
Sensors & Instrumentation News, v3, n10, pN/A
Oct, 1989
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 818

... year are used in Polaroid's autofocusing cameras. The OEM "base business" for Polaroid's *ultrasonic* transducers (ex- cluding their electronic *tape* *measure* business) has been growing about 30%-40% annually. In addition, sales of Polaroid's *ultra*- *sonic* transducers used in electronic *tape* *measures* tripled in '88 largely reflecting the "flood" of electronic tape measures dis- tributed within the U.S. market last year. In very high volumes, the price of the *ultrasonic* transducer used in the electronic *tape* *measure* ranges from $2.00 to $4.00. Polaroid's transducer has been incorporated in about...

4/3,K/64 (Item 1 from file: 642)
DIALOG(R)File 642:The Charlotte Observer

12340002
GRAND GADGETS GALORE
Charlotte Observer (CO) - Saturday, December 6, 2003
By: ALLEN NORWOOD, HOME EDITOR
Edition: ONE-THREE
Section: HOME
Page: 1E

Word Count: 795

...amp motor. Price: $69.99; information: www.sears.com.

The Ryobi Measure-Tech is a *sonic* *tape* *measure* and stud sensor. Forget hard-to-manage steel tapes. Aim this gizmo, hit the button...

CAPTION:
PHOTO

1. RYOBI PHOTO SILVERBACK PHOTO . Measure-Tech *sonic* *tape* *measure*, $39.97Magnetic gloves, $29.95; 2. AWP PHOTO STANLEY PHOTO . Large-mouth tool bag, $39...

4/3,K/65 (Item 1 from file: 646)
DIALOG(R)File 646:Consumer Reports

00001494
Letters; Louder!
Consumer Reports: vol. 54, no. 1, p. 65, January, 1989

Your October Once Over on *ultrasonic* *tape* *measures* contained a technical error. You said, "the speed of sound decreases as air grows warmer...

4/3,K/66 (Item 2 from file: 646)
DIALOG(R)File 646:Consumer Reports

00001396
Once over; Ready, world? Take measurements with sound.
Consumer Reports: vol. 53, no. 10, p. 610, October, 1988

...bounce back, then calculate and display the distance.

But before you rush to add an *ultrasonic* *tape* *measure* to your tool kit, note that it will be expensive - $40 to $250. Note, too...

4/3,K/67 (Item 1 from file: 654)
DIALOG(R)File 654:US Pat.Full.

4253559 **IMAGE Available

Derwent Accession: 2000-097576
Utility
M/ **Acoustic system for measuring the location and depth of underground pipe**
Inventor: Burns, Alan A., Mountain View, CA
Hayter, Gary A., Mountain View, CA
Griffin, Stephanie A., Mountain View, CA
Maresca, Jr., Joseph W., Mountain View, CA
Assignee: Vista Research, Inc. (02), Mountain View, CA
Vista Res Inc
Examiner: Chapman, John E. (Art Unit: 286)
Combined Principal Attorneys: Jaffer, David H.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6003376	A	19991221	US 9896422	19980611

Fulltext Word Count: 12277
Description of the Invention:
...the positions in the transect (or sensor array) could be surveyed or measured with a *tape* *measure* and a leveling string. The *acoustic* positioning systems shown in FIG. 11 are convenient to use, because acoustic measurements are already...

4/3,K/68 (Item 2 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4244563 **IMAGE Available
Derwent Accession: 1998-388476
Utility
E/ **Communication system with direct link to satellite**
Inventor: Bradley, James Frederick, Middletown, NJ
Cooper, Paul W., Red Bank, NJ
Assignee: AT&T Corp. (02), Middletown, NJ
AT&T Corp (Code: 16046)
Examiner: Oen, William (Art Unit: 285)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5995041	A	19991130	US 96774457	19961230

Fulltext Word Count: 8775

Description of the Invention:
...the antenna beam. The sonar device 914 may operate similarly to medical imaging devices or *sonic* *tape*-*measuring* devices commonly used in the building industry. A sonic pulse is emitted by the sonar...

4/3,K/69 (Item 3 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4195184 **IMAGE Available
Derwent Accession: 1998-388477
Utility

E/ **Portable satellite phone having directional antenna for direct link to satellite**
Inventor: Bradley, James Frederick, Middletown, NJ
Cooper, Paul W., Red Bank, NJ
Assignee: AT & T Corp, (02), Middletown, NJ
AT&T Corp (Code: 16046)
Examiner: Oen, William (Art Unit: 285)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5949369	A	19990907	US 96774456	19961230

Fulltext Word Count: 9481

Description of the Invention:
...the antenna beam. The sonar device 914 may operate similarly to medical imaging devices or *sonic* *tape*-*measuring* devices commonly used in the building industry. A sonic pulse is emitted by the sonar...

4/3,K/70 (Item 4 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4101462 **IMAGE Available
Derwent Accession: 1998-388475
Utility
E/ **Fixed communication terminal having proximity detector method and apparatus for safe wireless communication**
Inventor: Bradley, James Frederick, Middletown, NJ
Cooper, Paul W., Red Bank, NJ
Assignee: AT&T Corporation (02), Middletown, NJ
AT&T Corp (Code: 16046)
Examiner: Oen, William (Art Unit: 285)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5864316	A	19990126	US 96774455	19961230

Fulltext Word Count: 9155

Description of the Invention:
...the antenna beam. The sonar device 914 may operate similarly to medical imaging devices or *sonic* *tape*-*measuring* devices commonly used in the building industry. A sonic pulse is emitted by the sonar...

4/3,K/71 (Item 5 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2004 The Dialog Corp. All rts. reserv.

4036458 **IMAGE Available
Derwent Accession: 1998-388478
Utility
E/ **Communication terminal having detector method and apparatus for safe wireless communication**

Assignee: Unassigned
Unassigned Or Assigned To Individual (Code: 68000)
Examiner: Dang, Hung (Art Unit: 255)
Combined Principal Attorneys: Bourque, Daniel J.; Carroll, Kevin J.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5596379	A	19970121	US 95547649	19951024

Fulltext Word Count: 6262

Description of the Invention:
...An example of such an electronics distance measurer can be found in prior art carpenter *ultrasonic* "*tape* *measures*".

4/3,K/74 (Item 8 from file: 654)
DIALOG(R)File 654:US Pat.Full.

3622991 **IMAGE Available
Derwent Accession: 1992-316285
Utility
M/ **Tape measure**
Inventor: Biggel, Emil J., Manila, PH
Assignee: Solar Wide Industrial, Ltd. (03), Kwai Chung, HK
Solar Wide Ind Ltd HK
Examiner: Wirthlin, Alvin (Art Unit: 246)
Law Firm: Leydig, Voit & Mayer, Ltd.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5426863	A	19950627	US 93107655	19931203
PCT	WO 9214986		19920903	WO 92GB307	19920220
			371:19931203		
			102e:19931203		
Priority				GB 913553	19910220

Fulltext Word Count: 2868
Description of the Invention:
...The described combined *tape* *measure* and calculator may be provided with an *ultrasonic* transmitter and receiver (not shown) which is normally used to make alternative approximate measurements. These...

4/3,K/75 (Item 9 from file: 654)
DIALOG(R)File 654:US Pat.Full.

3433880 **IMAGE Available
Derwent Accession: 1993-350960
Utility
EXPIRED
E/ **Facility space data logging device**
Inventor: Averbuch, Aaron J., Champaign, IL
Brauer, Roger L., Tolono, IL

Edwards, Michael G., Weldon, IL
Mikucki, William A., Champaign, IL
Assignee: The United States of America as represented by the Secretary of the Army (06), Washington, DC
U S of America Army Secretary of (Code: 86528)
Examiner: Pihulic, Daniel T. (Art Unit: 221)
Combined Principal Attorneys: Marsh, Luther A.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5256908	A	19931026	US 92961798	19921016

Fulltext Word Count: 2653

Description of the Invention:
...device or system 10 in accordance with the present invention. The system 10 includes an *ultrasonic* *tape* *measuring* device or *sonic* tape 12 for measuring dimensions of a room 14. In an exemplary arrangement, the sonic...the length data may be accomplished in accordance with the invention by utilization of the *sonic* *tape* *measuring* device or it may be entered manually. When the measurement is made, the data is...

4/3,K/76 (Item 10 from file: 654)
DIALOG(R)File 654:US Pat.Full.

3123876 **IMAGE Available
Derwent Accession: 1990-382864
Utility
REASSIGNED
E/ **Acoustic ranging apparatus and method**
Inventor: Petrucelli, Steven P., 26 N. Main St., Cranbury, NJ, 08512
Orbine, III, Stephen A., P.O. Box 544, Far Hills, NJ, 07931
Assignee: Unassigned
Unassigned Or Assigned To Individual (Code: 68000)
Examiner: Tarcza, Thomas H. (Art Unit: 222)
Assistant Examiner: Pihulic, Daniel T.
Combined Principal Attorneys: Indyk, Eugene S.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4975889	A	19901204	US 88207744	19880616

Fulltext Word Count: 5934
Summary of the Invention:
...the distance between two points, without the disadvantages of using mechanical measuring instruments such as *tape* *measures*, is to use an *acoustic* ranging apparatus. In one example, this ranging apparatus involves directing a burst of acoustic energy...

4/3,K/77 (Item 11 from file: 654)
DIALOG(R)File 654:US Pat.Full.

2941087 **IMAGE Available

Derwent Accession: 1989-077170
Utility
EXPIRED
E/ **Groundwater pressure measurement**
Inventor: Fryda, Lawrence J., Bloomington, IL
Foster, John W., Normal, IL
Assignee: Illinois State University (02), Normal, IL
ILLINOIS STATE UNIV
Examiner: Tarcza, Thomas H. (Art Unit: 222)
Assistant Examiner: Pihulic, Daniel T.
Law Firm: Samuels, Miller, Schroeder, Jackson & Sly

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 4807201	A	19890221	US 88173281	19880325

Fulltext Word Count: 3936
Summary of the Invention:
...of four categories: (1) tape measures; (2) mechanical floats; (3) immersion-conductivity sensors; and (4) *ultrasonic* devices. *Tape* *measures* are used by either extending them to the fluid level and observing the reading on...

4/3,K/78 (Item 1 from file: 704)
DIALOG(R)File 704:(Portland)The Oregonian
(c) 2004 The Oregonian. All rts. reserv.

07568004
GADGET GURU
Oregonian (PO) - WEDNESDAY, March 9, 1994
By: Andy Pargh
Edition: FOURTH Section: LIVING Page: D05
Word Count: 642

... Mate is available for $30. For more information, call (800) 321-6840, item No. 101402.

ULTRASONIC MEASURE:
An alternative to standard *tape* *measures* is the new breed of electronic measurement devices. These hand-held units use ultrasonic waves ...

4/3,K/79 (Item 1 from file: 707)
DIALOG(R)File 707:The Seattle Times
(c) 2004 Seattle Times. All rts. reserv.

09531082
ADDING A LITTLE EXTRA NEW HOME PRODUCTS RANGE FROM PRACTICAL TO FANCY
Seattle Times (SE) - Saturday January 31, 1998
By: LINDA SHAW SEATTLE TIMES STAFF REPORTER
Edition: FINAL Section: SATURDAY REAL ESTATE Page: E1
Word Count: 1,462

... stucco and stone, and the place looks just like your regular million-dollar Texas mansion.

-- *Ultrasonic* *tape* *measure*. A Dallas interior designer snapped

up one of these before they sold out - she wanted...

4/3,K/80 (Item 1 from file: 719)
DIALOG(R)File 719:(Albany) The Times Union

04533253
HIGH-TECH RULER JUST DOESN'T MEASURE UP
TIMES UNION (AL) - THURSDAY December 8, 1988
Edition: One Star Section: Living Today Page: C5
Word Count: 584

TEXT:
... the tedious chore of measuring rooms, you may be interested in the convenience promised by *ultrasonic* *tape* *measures*. These devices beam an *ultrasonic* sound wave at a wall, log the time the echo takes to bounce back, then...

4/3,K/81 (Item 1 from file: 722)
DIALOG(R)File 722:Cincinnati/Kentucky Post

06279150
HOOKED ON GADGETS EVEN DURING A RECESSION, CONSUMERS FIND WAYS TO PLAY
CINCINNATI POST (CP) - SATURDAY OCTOBER 5, 1991
By: POST STAFF REPORT
Edition: METRO Section: BUSINESS Page: 1D
Word Count: 1,074

...popular. ($119.95, Radio Shack, four AA batteries not included)

For home improvement: The Electronic *Tape* *Measure* uses *ultrasonic* sound waves to measure straight lines and the Electronic Studfinder measures changes in wall density...

4/3,K/82 (Item 1 from file: 728)
DIALOG(R)File 728:Asia/Pac News

00597950 (USE FORMAT 7 FOR FULLTEXT)
Quickly
Business Line, p1
August 13 1997 DOCUMENT TYPE: Journal LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 716

... rakes and shovels, personalised bug zappers and an array of technology-driven products - including an *ultrasonic* *tape* *measure* - are here to make life easier, if not more expensive. Whatever the hardware lover might...

4/3,K/83 (Item 1 from file: 736)
DIALOG(R)File 736:Seattle Post-Int.

08084020
SONICS HOLD OFF BLAZERS PAYTON SCORES 32, BLOCKS TYING SHOT

SEATTLE POST-INTELLIGENCER (SP) - SATURDAY, March 25, 1995
By: Jim Moore P-I Reporter
Edition: Final Section: Sports Page: C1
Word Count: 879

...it was launched from the old 3-point line, proving he can still hit the *tape*-*measure* shots if necessary. That one pumped the *Sonics* ' advantage to 118-114.

Perkins may have been accurate from downtown, but Payton was drilling...

4/3,K/84 (Item 1 from file: 748)
DIALOG(R)File 748:Asia/Pac Bus. Jrnls

00146942 AAA-6321
Measuring tools. multifunction *tape* *measures* and *ultrasonic* distance estimators among new ranges.
Hongkongiana Database; Asian sources hardwares, v19, n8, p54
September 1989 DOCUMENT TYPE: Journal LANGUAGE: English RECORD TYPE: Citation

Measuring tools. multifunction *tape* *measures* and *ultrasonic* distance estimators among new ranges.

4/3,K/85 (Item 1 from file: 781)
DIALOG(R)File 781:ProQuest Newsstand

09650078 TUCS497198
Ganga Good deals around the Old Pueblo
Credits, Arizona Daily Star
Arizona Daily Star, FINAL ED, P F42
Friday, June 15, 2001
DOCUMENT TYPE: Newspaper, Small LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT SECTION HEADING: CALIENTE; ARTS/ENTERTAINMENT/THEATER
Word Count: 63

TEXT:
Now this is cool: An *ultrasonic* *tape* *measure*. Really. You aim it and it measures. The memory stores up to three measurements. It...

4/3,K/86 (Item 1 from file: 990)
DIALOG(R)File 990:NewsRoom Current Nov 2003-2004/Mar 30

0745032722 16EL0ZYK
Grand gadgets galore for your do-it-yourselfer ALLEN NORWOOD Home Editor
Charlotte Observer (NC)
Tuesday, December 9, 2003
JOURNAL CODE: CDEJ LANGUAGE: English RECORD TYPE: Fulltext
DOCUMENT TYPE: Newspaper SECTION HEADING: KnightRidderDigital
WORD COUNT: 815

...amp motor. Price: $69.99; information: www.sears.com.

The Ryobi Measure-Tech is a *sonic* *tape* *measure* and stud sensor.

Forget hard-to-manage steel tapes. Aim this gizmo, hit the button...

4/3,K/87 (Item 2 from file: 990)
DIALOG(R)File 990:NewsRoom Current Nov 2003-2004/Mar 30

0736502475 16E102FA
Gadgets go hi-tech
Sunday Mail (Brisbane, Australia), 1 - State ed, pH21
Sunday, November 23, 2003
JOURNAL CODE: ANLF LANGUAGE: English RECORD TYPE: Fulltext
DOCUMENT TYPE: Newspaper SECTION HEADING: Supplement ISSN: 1322-5243
WORD COUNT: 429

...For the home handyperson who has it all, consider an ultrasophisticated measuring tool like the *Ultrasonic* *Tape* *Measure*.

Gone forever are the days of battling with a tape measure flapping pointlessly in the...

4/3,K/88 (Item 1 from file: 992)
DIALOG(R)File 992:NewsRoom 2003/Jan-Oct 31

0652062328 166S1WVR
WHAT'S NEXT; An *Acoustic* *Tape* *Measure* for Deep-Sea Archaeologists
ANNE EISENBERG
New York Times (NY), Late Edition - Final ed, p10
Thursday, June 12, 2003
JOURNAL CODE: ADFN LANGUAGE: English RECORD TYPE: Fulltext
DOCUMENT TYPE: Newspaper SECTION HEADING: G ISSN: 0362-4331
WORD COUNT: 948

WHAT'S NEXT; An *Acoustic* *Tape* *Measure* for Deep-Sea Archaeologists

...This system allows us to make accurate maps anywhere on the seafloor. It's an *acoustic* *tape* *measure*."

Deep-sea archaeology is a relatively new academic discipline that combines traditional humanities-based archaeology...

4/3,K/89 (Item 1 from file: 994)
DIALOG(R)File 994:NewsRoom 2001

0301519826 15JV0MCK
Watching the inspectors
Sydney Morning Herald (AUSTRALIA), LATE ed, p6
Saturday, August 4, 2001
JOURNAL CODE: ADTG LANGUAGE: ENGLISH RECORD TYPE: Fulltext
DOCUMENT TYPE: Newspaper SECTION HEADING: DOMAIN ISSN: 0312-6315
WORD COUNT: 1,616

...he travels around the house he makes his observations into it.

He also brandishes a *sonic* *tape* *measure*, moisture meter, power point tester, a ladder, old shirt, torch and a screwdriver.